

## 105.12 - Respirable Materials (solid form)

SRMs 1878a and 1879a are crystalline silica materials with particles in the respirable range. They are intended for use in determining, by x-ray diffraction, the levels of respirable silica in an industrial atmosphere according to National Institute for Occupational Safety and Health ([NIOSH](https://www.cdc.gov/niosh/)) Analytical Method 7500 or equivalent methods. **NOTE:** These SRMs are not certified for particle size.

Technical Contact: [james.cline@nist.gov](mailto:james.cline@nist.gov)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Component (mass fraction, in %)
1866b	Common Commercial Asbestos	set (3)	1 - 3g each
1877	Beryllium Oxide Powder	20 g	
1878a	Respirable Alpha Quartz	5 g	93.7 ± 0.21
1879a	Respirable Cristobalite	5 g	88.2 ± 0.4